



COPY OF PAPERS
ORIGINALLY FILED

H3

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Zhou Hong et al.

SERIAL NO.: 10/052,613

FILING DATE: January 17, 2002

TITLE: Fixed-Rate Block-Based Image Compression with Inferred Pixel
Values

EXAMINER: Unknown

ART UNIT NO.: 2621

ATTY., DKT. NO.: PA1732US

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231, on the date printed below:

Date: 4/10/02

Susan Yee
Susan Yee

BOX MISSING PARTS
COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

PETITION UNDER 37 C.F.R. §1.47(a) AND DECLARATION OF FACTS

On behalf of the Applicants, we have made diligent efforts to reach the inventors Zhou Hong and Konstantine Iourcha, but have been unsuccessful in obtaining a signed Declaration from either inventor. The remaining Applicant hereby petitions the

Commissioner to accept the filing of the above-reference patent application on his as

07/10/2002 AKELLEY 00000024 060600 10052613

01 FC:122

130.00 CH

RECEIVED

APR 29 2002

OFFICE OF PETITIONS

{00061313v1}

well as the non-signing inventors' behalf. The last known address for Zhou Hong is 311 Checkers Drive, #208, San Jose, CA 95133. The last known address for Konstantine Iourcha is 310 Elan Village Lane, #204, San Jose, CA 95134.

This Declaration of Facts is made as to the facts which are relied upon to establish diligent effort to secure the execution of the Declaration by the inventors Zhou Hong and Konstantine Iourcha, for the above-identified patent application.

This Declaration of Facts is being made by an available person having first-hand knowledge of the facts recited herein.

I, Susan Yee, hereby declare that:

1. I am employed by the law firm of Carr & Ferrell LLP, which has a principal place of business at 2225 East Bayshore Road, Suite 200, Palo Alto, CA 94303.
2. I am a patent attorney licensed to practice before the U.S. Patent and Trademark Office. I represent the inventors and assignee for the purpose of prosecuting the above-identified patent application.
3. Upon receiving the Notice of Missing Parts, I mailed a letter (Exhibit A) enclosing the Declaration and Assignment to Mr. Hong at his last known address, 311 Checkers Drive, #208, San Jose, CA 95133. I received no return receipt in connection with this letter. I attempted to contact Mr. Hong via telephone at his last known telephone number, (408) 926-5627, but Mr. Hong was not known at this phone number. I have received no response whatsoever from Mr. Hong and believe he cannot be reached.

4. My colleague Jennifer Dupré originally contacted Mr. Iourcha in November of 2001, at which time they discussed the need for Mr. Iourcha to sign the Declaration and Assignment. However, Mr. Iourcha did not sign the documents at that time. My colleague Jenny Splitter contacted Mr. Iourcha via telephone on March 18, 2002 regarding this application. At that time, he conveyed his refusal to sign the Declaration and Assignment. She also mailed a letter to Mr. Iourcha at his work address, 2805 Bowers Avenue, Santa Clara, CA 95051 (Exhibit B) enclosing the patent application, Declaration, and Assignment and again requesting his signature on these documents. He responded in writing (Exhibit C), and again refused to sign the Declaration and Assignment. Jennifer Dupre responded to Mr. Iourcha (Exhibit D). However, he still refuses to sign the Declaration and Assignment.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

4/10/02

Susan Yee

Susan Yee, Reg. No. 41,388
Carr & Ferrell LLP
2225 East Bayshore Road, Suite 200
Palo Alto, CA 94303
TEL: (650) 812-3400
FAX: (650) 812-3444



WRITER'S DIRECT DIAL NUMBER

EXHIBIT A

CARR & FERRELL LLP
ATTORNEYS AT LAW

COPY OF PAPERS
ORIGINALLY FILED

(650) 812-3423

March 19, 2002

VIA CERTIFIED MAIL

Zhou Hong
311 Checkers Drive, #208
San Jose, CA 95133

Re: U.S. Patent Application No. 10/052,613
Filed: January 7, 2002
Title: Fixed-Rate Block Based Image Compression with Inferred Pixel
Values
Our ref.: PA1732US

Dear Zhou:

Enclosed for your signature please find a Declaration and Power of Attorney and Assignment for the above-referenced patent application. For your reference, we have also enclosed a copy of the above-referenced patent application as filed. Your contribution to this application was for S3, Inc. S3 Graphics Co., Ltd. acquired certain intellectual property from S3, Inc., including this patent application.

Please sign, date and complete the information where indicated. By executing the assignment you will be transferring ownership of the above-identified patent applications to S3 Graphics Co., Ltd. After execution of all the enclosed forms, please return the originals to me in the enclosed self-addressed envelope so that I can file them with the U.S. Patent & Trademark Office.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Susan Yee

RECEIVED

APR 29 2002

OFFICE OF PETITIONS

Enclosures

(00058126v1)

2225 EAST BAYSHORE ROAD, SUITE 200, PALO ALTO, CA 94303
TELEPHONE (650) 812-3400, FACSIMILE (650) 812-3444
www.carr-ferrell.com



CARR & FERRELL LLP
ATTORNEYS AT LAW

March 25, 2002

WRITER'S DIRECT DIAL NUMBER

(650) 812-3492

**COPY OF PAPERS
 ORIGINALLY FILED**

VIA CERTIFIED MAIL

Konstantine Iourcha
 ATI Technologies Systems Corp.
 ATI RESEARCH SILICON VALLEY INC.
 2805 Bowers Avenue
 Santa Clara, California 95051-0917

Re: U.S. Patent Application No. 10/052,613

Filed: January 7, 2002

Title: Fixed-Rate Block Based Image Compression with
 Inferred Pixel Values

Our ref.: PA1732US

U.S. Patent Application No. 09/855,322

Filed: May 14, 2001

Title: Matched Texture Filter Design for Rendering
 Multi-Rate Data Samples

Our ref.: PA1742US

U.S. Patent Application No. 09/855,280

Filed: May 14, 2001

Title: Selective Super-Sampling/Adaptive Anti-Aliasing of
 Complex 3D Data

Our ref.: PA1743US

Dear Konstantine:

Enclosed please find a Declaration and Power of Attorney and Assignment for each of the above-referenced patent applications. For your reference, we have also enclosed a copy of the above-referenced patent applications as filed. Your contribution to these applications was for S3, Inc. S3 Graphics Co., Ltd. acquired certain intellectual property from S3, Inc., including the enclosed patent applications.

You made several requests regarding these patent applications, to which we respond here. In response to your request for a copy of each patent application, we have enclosed a copy of each of the above-referenced patent applications as filed.

RECEIVED

APR 29 2002

OFFICE OF PETITIONS

Konstantine Iourcha
March 25, 2002
Page Two

Your contribution to the above-referenced patent cases, including signing the enclosed documents, is part of your employment for S3, Inc., for which you have already been compensated. In response to your concern regarding the assignment agreements, because you have not yet specifically assigned your ownership interest in the above-referenced patent applications, you can properly sign each of the enclosed Assignments.

Please sign, date, and complete the information where indicated by April 1, 2002. Please make any necessary address corrections in ink, and include your initials next to such changes. By executing the assignment you will be transferring ownership of the above-identified patent applications to S3 Graphics Co., Ltd. After execution of all the enclosed forms, please return the originals to me in the enclosed self-addressed envelope so that I can file them with the U.S. Patent & Trademark Office.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Jenny R. Splitter
Jenny R. Splitter

Enclosures
cc: Susan Yee

RECEIVED
APR 29 2002
OFFICE OF PETITIONS

Konstantine Tourncha

facsimile transmittal

To: Jenny R. Splitter, and

Fax: 650-812-3444

Susan Yee

From: Konstantine Tourncha

Date: 3/31/02

Re: Patent applications

Pages:

CC:

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

Notes: Please see attachment.

COPY OF PAPERS
ORIGINALLY FILED

Jenny R. Splitter
CARR & FERRELL LLP
ATTORNEYS AT LAW
2225 East Bayshore Road Suite 200,
Palo Alto, CA 94303

March 31, 2002

Re: U.S. Patent Application No. 10/052,613
Title: Fixed-Rate Block based Image Compression with Inferred Pixel Values
U.S. Patent Application No. 09/855,322
Title: Matched Texture Filter Design for Rendering Multi-Rate Data Samples
U.S. Patent Application No. 09/855,280
Title: Selective Super-Sampling/Adaptive Anti-Aliasing of Complex 3D Data

Dear Ms. Splitter:

I would like to assist you in your work on the above-referenced patent applications. As we discussed on the phone last week (and several months ago with Ms. Dupre), several important issues need to first be clarified to this end. Unfortunately, your letter (dated March 25, 2002) does not provide such clarification of the issues. Please let me reiterate these issues that need to be clarified.

1. The utility patent applications for the inventions titled "Matched Texture Filter Design for Rendering Multi-Rate Data Samples" and "Selective Super-Sampling/Adaptive Anti-Aliasing of Complex 3D Data" have been prepared/approved in final draft by December 2000 and all documents were ready to be filed with the U.S. Patent and Trademark Office.

In particular, the applications (for the inventions Matched Texture Filter Design for Rendering Multi-Rate Data Samples" and "Selective Super-Sampling/Adaptive Anti-Aliasing of Complex 3D Data) have been reviewed by me and the S3 Inc. legal counselors. The declarations have been previously signed/executed by me and the assignments have been signed/executed by me for assignment to S3 Incorporated.

Hence, you are not quite correct in saying that I have not yet specifically assigned the ownership of these inventions.

2. The "Employee's Proprietary Information and Invention Agreement" between S3 Incorporated and myself have provisions stating that all my inventions made at that time shall be the sole property of the S3 Incorporated and its assigns.

I am aware that some intellectual property possibly has been transferred from S3 Incorporated/SonicBlue Inc. to S3 Graphics Inc.

RECEIVED

APR 29 2002

OFFICE OF PETITIONS

Jenny R. Splitter
March 31, 2002
Page 2 of 3

However, I do not have any documents, which can be easily authenticated and state that the ownership rights have been transferred specifically in the inventions referenced above.

Even if the prior assignments have not been executed, I cannot assign the inventions to the S3 Graphics Co., Ltd. until such documents are provided for my reference.

3. For the reasons unknown to me, the prepared utility applications mentioned in the above p.1 have not been filed with the U.S. Patent and Trademark Office by S3 Incorporated in year 2000 or later by S3 Graphics Co. Ltd. after the rights to the inventions has presumably been transferred.

For the reasons unknown to me, somebody authorized rewriting/edits of the utility applications for the inventions mentioned in p.1 (after I approved the final drafts). As an inventor, I have not been consulted on the matter.

As you understand, I have certain legal responsibilities in regard to the content of the applications. To sign the declarations, I need to first perform a thorough review of the rewritten/edited applications, which may take considerable time.

4. "Employee's Proprietary Information and Invention Agreement" between S3 Incorporated and myself have provisions stating that S3 Incorporated shall compensate me at a reasonable rate for the time actually spent by me on the assistance in obtaining and enforcing patents after termination of my employment.

So, you are not quite correct in stating that the previous compensation is supposed to cover all my work on the patent applications referenced above after termination of my employment by S3 Incorporated.

I presume, that if the rights to the inventions were transferred to S3 Graphics Co Ltd., then this company should address the question of compensation.

7. The application titled "Fixed-Rate Block based Image Compression with Inferred Pixel Values" would especially require careful review. This is because the assignment draft for this invention lists Mr. Nayak as a co-inventor; however we did not work together since 1997; hence I have trouble understanding how this could happen.

Jenny R. Splitter
March 31, 2002
Page 3 of 3

8. As an inventor, I would like to see these patents to be filed as soon as possible. To this end, I would suggest you arrange the following:

a. Proper legal documents clarifying the ownership of the intellectual property in question. As an example, please provide a letter from a SonicBlue corporate officer which:

- is written on a proper SonicBlue letterhead;
- states explicitly that the person writing the letter is authorized to make statements concerning the invention ownership transfer;
- lists transferred inventions (and applications) explicitly by the titles and serial numbers;
- requests and legally authorizes me explicitly to assign listed inventions to S3 Graphics Co. Ltd.;
- has a contact phone number of the SonicBlue corporate officer.;

b. A written contract to perform applications review based on an hourly rate of a professional of my qualification and a reasonable time estimate for review.

c. Separate declarations forms for the patent applications; S3 Graphics Co. Ltd. should sign/execute separate power of attorney documents.

It was my understanding, that we thoroughly reviewed the situation with Ms. Dupre several months ago on the phone and have complete understanding of the matters.

Sincerely,

Konstantine Tousha

cc: Susan Yee, Carr & Ferrell LLP

Dr. Timour Paltashev, S3 Graphics, Inc.

Paul Shan, Via Technologies, Inc.

RECEIVED

APR 2 9 2002

OFFICE OF PETITIONS

CARR & FERRELL LLP

ATTORNEYS AT LAW



WRITER'S DIRECT DIAL NUMBER

(650) 812-3469

VIA CERTIFIED MAILCOPY OF PAPERS
ORIGINALLY FILED

Konstantine Iourcha
 310 Elan Village Lane, #204
 San Jose, CA 95134

Re: U.S. Patent Application No. 10/052,613

Filed: January 7, 2002

Title: Fixed-Rate Block Based Image Compression with
Inferred Pixel Values

Our ref.: PA1732US

U.S. Patent Application No. 09/855,322

Filed: May 14, 2001

Title: Matched Texture Filter Design for Rendering
Multi-Rate Data Samples

Our ref.: PA1742US

U.S. Patent Application No. 09/855,280

Filed: May 14, 2001

Title: Selective Super-Sampling/Adaptive Anti-Aliasing of
Complex 3D Data

Our ref.: PA1743US

Dear Konstantine:

We are in receipt of your letter of March 31, 2002. I am dismayed to see the same issues that I understood had been resolved in our conversation several months ago being raised yet again.

As you and I discussed several months ago, you were hesitant to sign inventor assignments in favour of S3 Graphics Co., Ltd. until you could independently verify that, in fact, these inventions were assigned to S3 Graphics Co., Ltd. by SONICblue Incorporated, as successor in interest to S3 Incorporated. My understanding is that this document has now been sent to you, and in fact, should already have been received by you. You informed me in our prior conversation that upon verification of S3 Graphics Co., Ltd.'s ownership of the

Konstantine Iourcha

April 2, 2002

Page Two

inventions in question, you would sign the patent assignment documents. Accordingly, we look forward to you doing so.

With regard to the utility patent applications for the inventions entitled "Matched Texture Filter Design for Rendering Multi-Rate Data Samples" and "Selective Super-Sampling/Adaptive Anti-Aliasing of Complex 3D Data," this is again an issue that not only have you and I previously discussed, but you have discussed with Susan Yee. I explained that while it is true that you had reviewed the applications and had signed the assignment documents in favour of S3 Incorporated, for whatever reasons, S3 Incorporated/SONICblue Incorporated chose to delay filing the applications. S3 Incorporated then assigned these inventions to S3 Graphics Co., Ltd. At that point, S3 Graphics Co., Ltd.'s attorneys were obligated, by the professional rules of conduct, to review the applications to ensure that they were comfortable filing the work under their names. Unfortunately, it turns out that they were not, deeming the applications in need of substantial revision in order to provide S3 Graphics Co., Ltd. with the full scope of protection to which it is entitled for these inventions. Further, Patent Office requirements have changed, requiring that the applications be revised. Thus, while I understand your frustration, it does not lessen your obligation, under the "Employee's Proprietary Information and Invention Agreement" to assign the inventions to S3 Incorporated's assignee – S3 Graphics Co., Ltd.

You further state that you are not willing to sign the inventor assignment documents until you have performed "a thorough review of the rewritten/edited applications, which may take some time." However, you have now had these applications for nearly a year. Certainly this is sufficient time to review the applications and approve them and/or comment on them. In fact, given that you have indeed communicated comments to my colleagues as to the substance of the applications, I can only conclude that you not only *have* reviewed the applications, but that you did so several months ago. Thus, your argument that you "need time" to review the applications is not well made.

I also note that you again raise the issue of compensation for your time spent in obtaining or enforcing the patents after termination of your employment. As you and I discussed, this is a contractual matter between you and S3 Incorporated/SONICblue Incorporated. While S3 Incorporated/SONICblue Incorporated assigned the inventions/patents to S3 Graphics Co., Ltd, they did not also assign their obligation to compensate you. Accordingly, this responsibility has remained with S3 Incorporated/SONICblue Incorporated. You clearly understood this when last we spoke, so it is unclear to me why you are yet again raising this issue. I had informed you that if you provide me with your employment agreement,

Konstantine Iourcha

April 2, 2002

Page Three

and any and all evidence of S3 Incorporated/SONICblue Incorporated's obligation of payment to you, that we would endeavour to assist you in obtaining such payment. To date, we have not received any such documentation from you.

As you are correct in your statement that "we thoroughly reviewed the situation" when you and I spoke several months ago, I am disappointed to see the same issues being raised, and challenged, yet again. As you have reviewed the relevant patent applications, and have received the assignment document, we look forward to receiving the fully executed inventor assignments as soon as possible. I would like to reiterate that if you provide us with the necessary documentation, we will be happy to communicate with S3 Incorporated/SONICblue Incorporated in an effort to effect payment to you of the appropriate sums.

If you have any questions or concerns regarding this or any other matter, please do not hesitate to contact me as soon as possible.

Sincerely,



Jennifer R. Dupré

Jennifer R. Dupré, Esq.

cc: Susan Yee, Esq.
Dr. Timour Paltashev, S3 Graphics, Inc.
Paul Shan, VIA Technologies, Inc.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Konstantine Iourcha
310 Elan Village Lane, #204
San Jose, CA 95134

2. Article Number

(Transfer from service label) **7000 1670 0012 7566 1735**

PS Form 3811, March 2001

Domestic Return Receipt

102505-01-M-1424

COMPLETE THIS SECTION ON DELIVERY**A. Received by (Please Print Clearly)****B. Date of Delivery****C. Signature****X**

Agent
 Addressee

D. Is delivery address different from item 1?

If YES, enter delivery address below:

Yes
 No

3. Service Type

<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes



**U.S. Postal Service
CERTIFIED MAIL RECEIPT**
(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee	\$2.10	
Return Receipt Fee (Endorsement Required)	\$1.50	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To	Konstantine Iourcha
Street, Apt. No., or PO Box No.	
RE: 17320S, 17420S, 17430S	
City, State, ZIP+4	VIA/S3

PS Form 3600, May, 2000

Stamps and postage paid

SLY/crb

RECEIVED

APR 29 2002

OFFICE OF PETITIONS